

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

21
1. (currently amended) A method for interference management of a processing communications satellite serving multiple user terminals in a satellite based cellular communications system, said method comprising:

o receiving a request for service from a user terminal;

prioritizing the multiple user terminals according to a selected criteria, wherein said selected criteria includes an amount of error correction selected by the user terminal;

~~receiving a request for service from a user terminal;~~

o accessing a database of communications system parameters including user terminal database parameters having a prioritization listing, antenna pattern parameters, spacecraft/antenna pointing error parameters, and link condition database parameters;

o applying an algorithm to at least one communications system parameter from the database of communications system parameters to determine a connection parameter to minimize intra-system interference based in part upon the database of communications system parameters for the user terminal;

o allocating the connection parameter to the user terminal; and
making a communications connection with the processing communications satellite by the user terminal using the connection parameter.

2.-5. (canceled)

6. (original) The method as defined in claim 1 further comprising monitoring if the communications connection is still active.

7. (previously presented) The method as defined in claim 6 further comprising redetermining the connection parameter for the user terminal based upon an updated database of communications system parameters.

8. (previously presented) The method as defined in claim 1 wherein the connection parameter is a frequency channel.

9. (original) The method as defined in claim 1 wherein the connection parameter is a time slot.

10. (previously presented) The method as defined in claim 1 further comprising updating the database of communications system parameters after the communications connection ends.

11.-20. (canceled)

21. (previously presented) The method of claim 1, wherein said selected criteria includes bandwidth selected by the user terminal.

22. (previously presented) The method of claim 1, wherein said selected criteria includes a fee schedule of the user terminal.

23. (cancelled)

24. (cancelled)